COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 22221/1030 (RU-339CIP)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are lis

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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continue)

ATTORNEY'S DOCKET NUMBER 22221/1030 (RU-339CIP)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(a) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Georgia Evans, Registration No. 44,597; Alice Y. Choi, Registration No. 45,758

Son	d Correspondence to:	NIXON PEABODY LL Clinton Square, P.O. B Rochester, New York 1	ox 31051 4603	Direct Telephone Calls to: (name and telephone number) Michael L. Goldman (716) 263-1304
	FULL NAME OF INVENTOR	FAMILY NAME O'Dounell	FIRST GIVEN NAME Michael	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Hastings-on-Rudson	STATE/FOREIGN COUNT	TRY COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 16 Maple Lane	CITY Hastings-on-Hudson	STATE & ZIP CODE/CTRY New York 10706/USA
	FULL NAME OF INVENTOR	FAMILY NAME Yuzhakov	FIRST GIVEN NAME Alexander	SECOND GIVEN NAME
0 2	RESIDENCE & CITIZENSHIP	CITY Malden	STATE/FOREIGN COUNT Massachusetts	TRY COUNTRY OF CITIZENSHIP Russia
	POST OFFICE ADDRESS	P.O. ADDRESS 25 Bayrd Street	CITY Malden	STATE & ZIP CODE/CTRY Massachusetts 02148/USA
	FULL NAME OF INVENTOR	FAMILY NAMB Yurleva	FIRST GIVEN NAME Olga	SECOND GIVEN NAME
2 0 3	RESIDENCE & CITTZENSHIP	CITY New York	STATE/FOREIGN COUNT New York	RY COUNTRY OF CITIZENSHIP Russia
	POST OFFICE ADDRESS	P.O. ADDRESS 430 East 63 rd Str., Apt. 3G	CITY New York	STATE & ZIP CODE/CTRY New York 10021/USA
	FULL NAME OF INVENTOR	FAMILY NAME Jeruzalmi	FIRST GIVEN NAME David	SECOND GIVEN NAME
2 0 4	RESIDENCE & CITIZENSHIP	Non York	STATE/FOREIGN COUNT	RY COUNTRY OF CITIZENSHIP H S United States
	POST OFFICE ADDRESS	P.O. ADDRESS 205 Walden	os whos Cambridge	STATE & ZIP CODE/CTRY
	FULL NAME OF INVENTOR	FAMILY NAME Bruck	FIRST GIVEN NAME Irins	SECOND GIVEN NAME
2 0 5	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNT New York	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 1161 York Avenue, Apr. 11M	CITY New York	STATE & ZIP CODE/CTRY New York 10021/USA
	FULL NAME OF INVENTOR	FAMILY NAME Kuriyan	FIRST GIVEN NAME John	SECOND GIVEN NAME
2 0 6	RESIDENCE & CITIZENSHIP	CITY Berkeley	STATE/FOREIGN COUNT California	RY COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 936 Oxford Street	CITY Berkeley	STATE & ZIP CODE/CTRY California 94707/USA

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and I necessy occurre that an statements these merching my own knowledge are true and that an statements made on information and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the owner are peneved to be used, and the under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon. SIGNATURE OF INVENTOR 203 SIGNATURE OF INVENTOR 202 SIGNATURE OF INVENTOR 201 DATE SIGNATURE OF INVENTOR 206 DATE SIGNATURE OF INVENTOR 205 DATE DATE DATE

Page 3 of 3

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 22221/1030 (RU-339CIP)

As a below named inventor, I hereby declare that:

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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continue)

ATTORNEY'S DOCKET NUMBER 22221/1030 (BU-339CIP)

POWER OF ATTORNEY: As a named invenor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Parent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Georgia Evana, Registration No. 44,597; Alice Y. Choi, Registration No. 45,758

Sen	i Correspondence to:	Michael L. Goldman NIXON PEABODY L Clinton Square, P.O. 1 Rochester, New York	Box 31051	(nam Mich	x Telephone Calls to: e and telephone number) usel L. Goldman 263-1384
	FULL NAME OF INVENTOR	FAMILY NAME O'Donnell	FIRST GIVEN NAME Michael] (120)	SECOND GIVEN NAME
2 0 1	RESIDENCE & CITIZENSHIP	CITY Hastings-on-Hudson	STATE/FOREIGN COUN New York	STATE/FOREIGN COUNTRY New York	
	POST OFFICE ADDRESS	P.O. ADDRESS 16 Maple Lane	CITY Hastings-on-Hudson		STATE & ZIP CODE/CTRY New York 10706/USA
_	FULL NAME OF INVENTOR	FAMILY NAME Yuzhakov	FIRST GIVEN NAME Alexander		SECOND GIVEN NAME
0 2	RESIDENCE & CITIZENSHIP	CITY Malden	STATE/FOREIGN COUN Massachusetts	TRY	COUNTRY OF CITIZENSHIP United States (from 11/07/02)
	POST OFFICE ADDRESS	P.O. ADDRESS 25 Bayrd Street	CITY Malden		STATE & ZIP CODE/CTRY Massachusetts 02148/USA
	FULL NAME OF INVENTOR	FAMILY NAME Yurieva	FIRST GIVEN NAME Olga	1	
2 0 3	RESIDENCE & CITIZENSHIP	CITY New Yerk	STATE/FOREIGN COUNTRY New York		COUNTRY OF CITIZENSHIP Russia
· ·	POST OFFICE ADDRESS	P.O. ADDRESS 430 East 63 rd Str., Apt. 3G	CITY New York		STATE & ZIP CODE/CTRY New York 10021/USA
	FULL NAME OF INVENTOR	FAMILY NAME Jeruzalmi	FIRST GIVEN NAME David		SECOND GIVEN NAME
2 0 4	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUNTY New York	TRY	COUNTRY OF CITIZENSHIP United States
,	POST OFFICE ADDRESS	P.O. ADDRESS 1161 York Avenue, #111	CITY New York		STATE & ZIP CODE/CTRY New York 10021/USA
	FULL NAME OF INVENTOR	FAMILY NAME Brack	FIRST GIVEN NAME		SECOND GIVEN NAME
2 0 5	RESIDENCE & CITIZENSHIP	CITY New York	STATE/FOREIGN COUN' New York	TRY	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 1161 York Avenue, Apt. 11M	CITY New York	· ·	STATE & ZIP CODE/CTRY New York 10021/USA
	FULL NAME OF INVENTOR	FAMILY NAME Kuriyan	FIRST GIVEN NAME John		SECOND GIVEN NAME
2 0 6	RESIDENCE & CITIZENSHIP	CITY Berkoley	STATE/FOREIGN COUN California	TRY	COUNTRY OF CITIZENSHIP United States
	POST OFFICE ADDRESS	P.O. ADDRESS 936 Oxford Street	CITY Berkeley	•	STATE & ZIP CODE/CTRY California 94707/USA

Page 2 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE	DATE 08/12/03	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

Page 3 of 3

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
22221/1030 (RU-339CIP)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next t my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ENZYMES DERIVED FROM THERMOPHILIC ORGANISMS THAT FUNCTION AS A CHROMOSOMAL REPLICASE, PREPARATION AND USE THEREOF

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the specification of which (che	ck only one i	tem below):					
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[X] was filed as U.S. (if applicable).	Patent Applic	cation Serial No.	09/716,964 on N	lovember 21, 2000 a	and was amended	d on	_
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(if applicable).				s Table 1			
I hereby state that I have revie amendment referred to above.	wed and unde	rstand the conte	nts of the above-i	dentified specification	ons, including th	e claims, as an	ended by any
I acknowledge the duty to disc Federal Regulations, § 1.56(a)		ion which is mat	erial to the paten	tability of this applic	cation in accorda	nce with Title	37, Code of
I hereby claim priority benefit international application(s) de application(s) for patent or inv States f America filed by me	signating at le entor's certifi	ast one country of cate or any PCT	other than the Un international app	ited States listed bel dication(s) designati	ow and have also ing at least one o	o identified bel ountry other th	ow any an the United
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United States		60/04	13,202 8-APRIL-199		97	7 [X] YES[] NO	
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I hereby claim the benefit und designating the United States disclosed in that/those prior ap the duty to disclose material in the prior application(s) and the	of America the plication(s) in formation as	at is/are listed be the manner pro defined in Title :	low and, insofar vided by the first 37, Code of Fede	as the subject matte paragraph of Title : ral Regulations, § 1	r of each of the o 35, United States	claims of this a Code, § 112, l	pplication is not l acknowledge
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U.S. A	PPLICATION	NS			STATUS (Che	ck One)	
U.S. APPLICAT	ION NUMBE	R	U.S. FIL	ING DATE	PATENTED	PENDING	ABANDONED
09/642	2,218		Augus	t 18, 2000		X	
09/05	,416		Apri	8, 1998			x
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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continue)

ATTORNEY'S DOCKET NUMBER 22221/1030 (RU-339CIP)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 35,584; Edwin V. Merkel, N. 30,727; J seph M. Not, Registrati n N. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Georgia Evans, Registration No. 44,597; Alice Y. Choi, Registration N. 45,758

Send Correspondence to:

Michael L. Goldman NIXON PEABODY LLP Clinton Square, P.O. Box 31051 Rochester, New York 14603 Direct Telephone Calls to: (name and telephone number) Michael L. Goldman (716) 263-1304

	To Lease Now Vork 14		63-1304
	Rochester, New York 140	FIRST GIVEN NAME	SECOND GIVEN NAME
FULL NAME		Michael	E.
OF INVENTOR		STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
RESIDENCE &	CIII	New York	United States
CITIZENSHIP		CITY	STATE & ZIP CODE/CTRY
POST OFFICE			New York 10706/USA
ADDRESS		FIRST GIVEN NAME	SECOND GIVEN NAME
FULL NAME OF		Alexander	COUNTRY OF CITIZENSHIP
		STATE/FOREIGN COUNTRY	
RESIDENCE &		Massachusetts	Russia
		CITY	STATE & ZIP CODE/CTRY
POST OFFICE		Malden	Massachusetts 02148/USA
1		FIRST GIVEN NAME	SECOND GIVEN NAME
FULL NAME OF	■ T	Olga	
		STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
RESIDENCE &	, ——— ·	New York	Russia
<u> </u>		CITY	STATE & ZIP CODE/CTRY
POST OFFICE	420 Fast 63rd Str., Apt. 3G	New York	New York 10021/USA
	TANTE V NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
FULL NAME OF	The state of the s	David	OF OTTERNICUE
		STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
RESIDENCE &		New York	United States STATE & ZIP CODE/CTRY
		CITY	
POST OFFICE	1161 York Avenue, #11I	New York	New York 10021/USA
	TANGE V NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
FULL NAME OF		Irina	COUNTRY OF CITIZENSHII
	OTTY	STATE/FOREIGN COUNTRY	
RESIDENCE &		New York	United States STATE & ZIP CODE/CTRY
		CITY	
POST OFFICE	1161 Vork Avenue, Apt. 11M	New York	New York 10021/USA
	EAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
FULL NAME O	F 1	John	TO DESCRIPTION OF CHEST NEW
	CTTV	STATE/FOREIGN COUNTRY	COUNTRY OF CITIZENSHI
KESIDE TOP W		California	United States
CITIZENSIII	P.O. ADDRESS	CITY	STATE & ZIP CODE/CTRY California 94707/USA
POST OFFICE	I L.O. WINDLESON	Berkeley	L Colifornia 94707/USA
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I hereby declare that all statements made her belief are believed to be true; and further that belief are punishable by fine or impri	ein f my own knowledge are true and that all at these statements were made with the knowledge these statements were rection 1001 of Title	statements made on information and dge that willful false statements and the l8 of the United States Code, and that
like so made are punishable by fine or impri-	sonment, or both, under seem the validity of the application or any patent issue the validity of the application or any patent issue the validity of the application or any patent issue validity of the valid	SIGNATURE OF INVENTOR 203
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DATE		

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER 22221/1030 (RU-339CIP)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

riginal, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are

	nventor (if only one name is claimed and for which a M THERMOPHILIC (REPLICASE, PREPA)	MOYEA A MI	C THAT FUNCTI	OM W2 W CTTT	UMUSUNIA	
cification of which (check only o	ne item below):			:	•	
is attached hereto. Was filed as U.S. Patent A		s oss on Novi	ember 21, 2000 and w	as amended on		
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			and was am	ended under PCT	Article 19 on	
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knowledge the duty to disclose in leral Regulations, § 1.56(a). ereby claim priority benefits under ternational application(s) designation plication(s) for patent or inventor;						
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RIOR APPLICATION(S) AND A COUNTRY (IF PCT, indicate "PCT")	NY PRIORITY CLAIMS I	NUMBER	DATE OF FILIN (day, month, ye 8-APRIL-199	E)	RIORITY CLA UNDER 35 US [X] YES []	SC 119
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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continue)

ATTORNEY'S DOCKET NUMBER 22221/1030 (RU-339CIP)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this POWER OF ALLORING I. As a mainer inventor, a nervey appoint the following attorney(s) and/or agent(s) to prosecute time application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration application and transact all business in the Patent and Trademark Office connected therewith. Michael L. Goldman, Registration No. 30,727; Joseph M. Noto, Registration No. 32,163; Gunnar G. Leinberg, Registration No. 35,584; Edwin V. Merkel, Registration No. 40,087; Georgia Evans, Registration No. 44,597; Alice Y. Chol, Registration No. 45,758

Send Correspondence to:

Michael L. Goldman NIXON PEABODY LLP Clinton Square, P.O. Box 31051 Michael L. Goldman (716) 263-1304

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		Rochester, New York 1	4603 FIRST GIVEN NAME	SECOND GIVEN NAME
FUL	LNAME NVENTOR	FAMILY NAME O'Donnell	Michael STATE/FOREIGN COUN	TRY COUNTRY OF CITIZENSHIP
DES	IDENCE & IZENSHIP	CITY Hastings-on-Hudson	New York CITY	STATE & ZIP CODE/CTRY
POS	ST OFFICE DRESS	P.O. ADDRESS 16 Maple Lane	Hastings-on-Hudson FIRST GIVEN NAME	New York 10706/USA SECOND GIVEN NAME
-	LL NAME OF VENTOR	FAMILY NAME Yuzhakov	Alexander STATE/FOREIGN COU	NTRY COUNTRY OF CITIZENSHIP Russia
DE	SIDENCE &	Malden P.O. ADDRESS	Massachusetts CITY	STATE & ZIP CODE/CTRY Massachusetts 02148/USA
PC	OST OFFICE DDRESS	25 Bayrd Street FAMILY NAME	Malden FIRST GIVEN NAME	SECOND GIVEN NAME
FI	ULL NAME OF VENTOR	Yurieva CITY	Olga STATE/FOREIGN CO	
? \c	ESIDENCE &	New York P.O. ADDRESS	New York CITY	STATE & ZIP CODE/CTRY New York 10021/USA
P	OST OFFICE ADDRESS	430 East 63rd Str., Apt. 3G	New York FIRST GIVEN NAME	SECOND GIVEN NAME
. 1:	FULL NAME OF	Jerozalmi	David STATE/FOREIGN C	
2 1	RESIDENCE & CITIZENSHIP	New York P.O. ADDRESS	New York CITY	STATE & ZIP CODE/CIRY New York 10021/USA
	POST OFFICE ADDRESS	1161 York Avenue, #111	New York FIRST GIVEN NAM	E SECOND GIVEN NAME
	FULL NAME O	Bruck	STATE/FOREIGN C	
2 0 5	RESIDENCE CITIZENSHIP	New York	New York CITY	STATE & ZIP CODE/CTRY New York 10021/USA
ľ	POST OFFICE ADDRESS	1161 York Avenue, Apt. 1	FIRST OF THE	ME SECOND GIVEN NAME
	FULL NAME INVENTOR	Kuriyan	John STATE/FOREIGN	
2 0 6	RESIDENCE CITIZENSH	ADDRESS LAW S	(1965) California	STATE & ZIP CODE/CTI California 94707/USA
	POST OFFICE ADDRESS	P.O. ADDRESS 688 38	us Rd Berkeley	Page 2 of 3

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements made on information and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the belief are believed to be true; and further that these statements are true and that all statements made on information and the belief are believed to be true; and further that these statements are proportionally and the belief are believed to be true; and further that these statements are proportionally and the belief are believed to be true; and further that these statements are proportionally and the belief are believed to be true; and further that the belief are believed to be true; and further that the belief are believed to be true; and further that the belief are believed to be true; and further that the belief are believed to be true; and the belief are believe

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